

## B R E V I O R A

## Museum of Comparative Zoology

CAMBRIDGE, MASS.

AUGUST 11, 1972

NUMBER 390

THE CHAÑARES (ARGENTINA) TRIASSIC  
REPTILE FAUNA. XIV. *LEWISUCHUS ADMIXTUS*,  
GEN. ET SP. NOV., A FURTHER THECODONT  
FROM THE CHAÑARES BEDS

ALFRED SHERWOOD ROMER

ABSTRACT. Incomplete remains of a new thecodont from the Chañares Formation, *Lewisuchus admixtus*, are described and figured. Incomplete skull remains indicate that the posterior border of the lateral temporal opening was nearly vertical; the basal articulation with the palate was freely movable. A maxilla indicates elongation of the snout. Much of the presacral column is present; the cervical vertebrae are somewhat elongate, the ribs unspecialized. Scapulocoracoids are preserved, but no pelvic material; limb material is incomplete and disarticulated; femur and tibia are slender and of approximately equal length; the pes is long and slender. A single row of thin dorsal scales is present. *Lewisuchus* is a relatively primitive pseudosuchian that may be related to coelurosaur ancestry.

## INTRODUCTION

After much preparation and a general survey of the Chañares collection, it became apparent that six thecodonts of various sorts were present in the material; these have been described in previous papers in this series. Recently, however, Mr. Arnold Lewis, in preparing a concretion containing a mixed assortment of reptilian remains, discovered that in addition to parts of a gomphodont skeleton and miscellaneous materials of small thecodonts, there was present a considerable fraction of a skeleton and skull of a thecodont of relatively good size which was obviously new, and is described below.

I am indebted to the National Science Foundation grant GB-2454 for aid in the collecting of the specimen and grant GB-22658 for preparation and publication.